



## Information Required for Permits for a Fuel Loading Facility

### I. EQUIPMENT INFORMATION – Complete a separate form for each device.

Device Description: \_\_\_\_\_

Date Construction Commenced: \_\_\_\_\_ Device Start-Up Date: \_\_\_\_\_

☐ Bulk Terminal ☐ Gasoline Service Station ☐ Other: \_\_\_\_\_

#### A. Bulk Terminal Loading Information

☐ Tank Car/Truck ☐ Marine Vessel

Type of fuel: ☐ Crude Oil ☐ Distillate Fuel ☐ Residual Fuel ☐ LPG  
☐ Other (specify): \_\_\_\_\_

Gallons loaded per  
year: \_\_\_\_\_

Liquid loading temperature (°F) \_\_\_\_\_

Type of Loading: ☐ Submerged ☐ Submerged load-balance ☐ Splash load-balance  
☐ Other (specify): \_\_\_\_\_

Cargo Hold Usage:

% in load balance service \_\_\_\_\_

% of total evacuated (clean) \_\_\_\_\_

% in dedicated service (dirty) \_\_\_\_\_

#### B. Stack Information

Is unit equipped with multiple stacks? ☐ Yes ☐ No (if yes, provide data for each stack)

Identify other devices on this stack: \_\_\_\_\_

Is Section 123 of the Clean Air Act applicable? ☐ Yes ☐ No

Is stack monitoring used? ☐ Yes ☐ No

If yes, Describe: \_\_\_\_\_

Is stack capped or otherwise restricted? ☐ Yes ☐ No

If yes, Describe: \_\_\_\_\_

Stack exit orientation: ☐ Vertical ☐ Horizontal ☐ Downward

Stack ☐ Inside Diameter (ft) ☐ Exit Area (ft<sup>2</sup>)

Discharge height above ground level (ft)

Exhaust Flow (acfm)

Exhaust Velocity (ft/sec)

Exhaust Temperature (°F)

### C. Hours of Operation

Hours per day: \_\_\_\_\_ Days per year: \_\_\_\_\_

## II. POLLUTION CONTROL EQUIPMENT ☐ Not Applicable

### A. Type of Equipment *Note: if process utilizes more than one control device, provide data for each device*

- |   |   |
|---|---|
| <input type="checkbox"/> baffled settling chamber               | <input type="checkbox"/> wide bodied cyclone                  |
| <input type="checkbox"/> long cone cyclone                      | <input type="checkbox"/> irrigated long cone cyclone          |
| <input type="checkbox"/> multiple cyclone (_____ inch diameter) | <input type="checkbox"/> carbon absorption                    |
| <input type="checkbox"/> electrostatic precipitator             | <input type="checkbox"/> irrigated electrostatic precipitator |
| <input type="checkbox"/> spray tower                            | <input type="checkbox"/> absorption tower                     |
| <input type="checkbox"/> venturi scrubber                       | <input type="checkbox"/> baghouse                             |
| <input type="checkbox"/> afterburners (incineration)            | <input type="checkbox"/> packed tower/column                  |
| <input type="checkbox"/> selective catalytic reduction          | <input type="checkbox"/> selective non-catalytic reduction    |
| <input type="checkbox"/> reburn                                 |   |
| <input type="checkbox"/> other (specify): _____                 |   |

### B. Pollutant Input Information

Pollutant	Temperature (°F)	Actual (lb/hr)	Potential (lb/hr)	Actual (ton/yr)	Potential (ton/yr)

Method used to determine entering emissions:

- ☐ stack test   ☐ vendor data   ☐ emission factor   ☐ material balance

☐ other

(specify): \_\_\_\_\_

### C. Operating Data

1. Capture Efficiency: \_\_\_\_\_%   Verified by: ☐ test   ☐ calculations

2. Control Efficiency: \_\_\_\_\_%   Verified by: ☐ test   ☐ calculations

3. Normal Operating Conditions (*supply the following data as applicable*)

_____ Total gas volume through unit (acfm)	_____ Temperature (°F)	_____ Percent Carbon Dioxide (CO <sub>2</sub> )
_____ Voltage	_____ Spark Rate	_____ Milliamps
_____ Pressure Drop (inches of water)	_____ Liquid Recycle Rate (gallons per minute)	

**III. DEVICE EMISSIONS DATA:**

<b>Pollutant</b>	<b>Temperature (°F)</b>	<b>Actual (lb/hr)</b>	<b>Potential (lb/hr)</b>	<b>Actual (ton/yr)</b>	<b>Potential (ton/yr)</b>

Method used to determine exiting emissions:

- ☐ stack test    ☐ vendor data    ☐ emission factor    ☐ material balance  
☐ other (specify): \_\_\_\_\_